

2101 Webster Street
12th Floor
Oakland, CA 94612
(510) 863-4100 • FAX (510) 863-4141

ENVIRONMENTAL
PROTECTION



April 18, 2000
Project 6262.000.0

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SHIC 6669A

Mr. Hugh J. Murphy
City of Hayward Fire Department
777 B Street
Hayward, California 94541-5007

Subject: Phase I Environmental Assessment - Addendum
Canterbury Residential Development and Hayward Area Recreation District
(HARD) Park Property
Hayward, California

Dear Mr. Murphy:

Geomatrix Consultants, Inc. (Geomatrix) has prepared this addendum to the Phase I Environmental Assessment issued April 11, 1999. Geomatrix received two additional reports on the upgradient Duncan & Son Petroleum leaking underground storage tank (LUST) site and additional information on the water well located within a mile of the subject site. Geomatrix's findings are summarized below.

Duncan & Son Petroleum

Duncan & Son Petroleum is located at 29303 Pacific Street which lies 0.4 miles to the northeast of the Canterbury Residential Development. Geomatrix reviewed a Groundwater Monitoring Report for Duncan and Son Petroleum by Apex Envirotech, Inc. issued November 12, 1998 and an Underground Storage Tank Closure Report by Apex Envirotech, Inc. issued April 23, 1999.

In 1986 eight monitoring wells were installed to evaluate the extent of petroleum hydrocarbon impact to groundwater beneath the site. In July 1986 product was measured in three of the wells; samples from the other five wells contained varying concentrations of total petroleum hydrocarbons as gasoline (TPHg); total petroleum hydrocarbons as diesel (TPHd); benzene, toluene, ethylbenzene and xylenes (BTEX); MTBE; chromium; nickel; lead; and zinc. In July 1987, a free product recovery system was installed and operated for a short, unspecified period of time. Additional groundwater sampling events took place in September 1992 and October 1998. In March 1999, nine USTs were removed from the site.

Impacted soil and groundwater were identified in the monitoring wells and in the tank pits during the tank excavations. There is insufficient data to determine the extent of the plume. The plume extends at least 30' to the south of the former tank locations with maximum concentrations of up to 26,000 ppb MTBE, 2,000 ppb benzene and 1,300 ppb TPHg. Groundwater flow direction was reported to the northwest based on site measurements, but this is not consistent with local topography or general flow in the area (southeast toward Alameda Creek and San Francisco Bay).



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The Alameda County Environmental Health Agency issued a request to Duncan and Son Petroleum to perform a Preliminary Site Assessment (PSA) on April 12, 2000 to determine the lateral and vertical extent and severity of soil and groundwater contamination which has resulted from the release at the property. Potential impact to the subject site could be evaluated based on the results of the PSA.

Water Wells

The database search report provided by Environmental Data Resources, Inc. (EDR), of Southport, Connecticut, identified a permitted well located north of the site and slightly north of Folsom Avenue based on the EDR map. Geomatrix contacted Department of Health Services regarding the well in their database. The well is a small system agricultural well that is part of the Van Court Public Water Supply (Prime Station Code: 03S/02W-35M04 M). Based on the latitude and longitude provided in the DHS database, the well is not located as indicated on the EDR map. However, Terrasearch identified this well as being drilled to approximately 40 feet on one of the residential properties on Taylor Avenue, based on a conversation with Mr. Andreas Godfrey of Alameda County Public Works Agency (Terrasearch, 1998). As the location of the well has not been identified during visits to the site, and the site has been redeveloped for residential use, future use of the well for water supply at the site is very unlikely. If the well is located across Folsom Avenue (northwest of the subject site), it is upgradient based on general assumptions regarding groundwater flow and would not be impacted by activities on site.

Geomatrix appreciates this opportunity to provide environmental consulting services to the City of Hayward Fire Department. If you any further questions, please contact either of the undersigned.

Sincerely yours,
GEOMATRIX CONSULTANTS, INC.

Bryan Turner
Staff Geologist

Ann M. Holbrow
Senior Scientist

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cc: [REDACTED] - Alameda County Health Care Services
Roger Brewer - California Regional Water Quality Control Board, S.F. Bay Region
Denise Tsuji - Department of Toxic Substances Control
Kim Brandt - LFR Levine-Fricke
Mark Beskind - SummerHill Homes